

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE	PAGE 1 OF 4 PAGES
2. AMENDMENT/MODIFICATION NO. <b>0001</b>	3. EFFECTIVE DATE <b>Nov 8, 2007</b>	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)
6. ISSUED BY NASA/Stennis Space Center Acquisition Management Office Program Management Support Division Building 1100 Room 251H Stennis Space Center, MS 39529-6000		7. ADMINISTERED BY (If other than Item 6) <b>Same as block #6</b>	
8. NAME AND ADDRESS OF CONTRACTOR (No. Street, county, State and ZIP: Code)		<input type="checkbox"/> 9A. AMENDMENT OF SOLICITATION NO. <input checked="" type="checkbox"/> <b>NNS08220582R</b> 9B. DATED (SEE ITEM 11) <b>Oct 16, 2007</b> 10A. MODIFICATION OF CONTRACT/ORDER NO. 10B. DATED (SEE ITEM 13)	
CODE	FACILITY CODE		

**11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS**

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, ☒ is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning one (1) copy of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATA SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and data specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

N/A

**13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS,  
IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.**

<input type="checkbox"/>	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
<input type="checkbox"/>	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
<input type="checkbox"/>	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
<input type="checkbox"/>	D. OTHER Specify type of modification and authority)

E. IMPORTANT: Contractor ☐ is not, ☒ is required to sign this document and return 1 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

**Solicitation No. NNS08220582R for Industrial Water Valves for the A-3 Altitude Test Stand at NASA Stennis Space Center, is hereby changed as follows – See attached pages 2 through 4.**

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
(Signature of person authorized to sign)		BY (Signature of Contracting Officer)	

a. The attached questions and answers are hereby incorporated into the subject solicitation.

Questions: 66" Gate Valve

QUESTION: Guides: Alloy guides are specified. We are going to be offering a sliding gate valve and the guide material will be reinforced PTFE. If our sliding gate valve is found acceptable will the reinforced PTFE guides be acceptable?

**ANS: Guides that are made from PTFE reinforced with fiberglass or other material will not be accepted. Only guides made from the materials listed in the specification will be accepted.**

QUESTION: Actuator Fail Position: Specified Fail Closed- This is the only valve in the package that is electrically operated. Failing closed an electric actuator for loss of power is expensive and involves batteries and transformers. Is it really the requirement to make this valve Fail Closed for loss of power?

**ANS: Specification Appendix C2, page 40 of 49, "Fail Position" is hereby changed from "Fail Closed" to "Fail in Place".**

QUESTION: Actuator-Electric: Due to the unique design of our sliding gate valve, pneumatic actuation is an economical and reliable option and makes failing closed the valve simpler. Would pneumatic actuation be considered as an option?

**ANS: No. Electric actuation will be the only actuation method considered.**

QUESTION: Proof Testing: The manufacture prefers to hydrostatically test the valve with water at 2 time design pressure for 10 minutes with no leakage allowed. Would that be acceptable in place of the 1.25 times pneumatic proof test?

**ANS: Hydrostatically testing the valve to 1.5 times design pressure is all that is required in the specification. Hydrostatically testing the valve to 2 times design pressure is above and beyond the requirements and will be accepted provided that hydrostatic test is conducted BEFORE functionally testing the valve at design pressure.**

QUESTION: Two Set of Softgoods: The manufacturer believes that two sets of softgoods is overkill. Is there a specific reason for requiring two sets?

**ANS: Yes there is. Please provide two sets of softgoods according to the specification.**

Questions: Butterfly Valves:

QUESTION: Seat Material: Kel-F or similar material: Teflon is not listed. Would Teflon be acceptable? For these applications, Teflon will provide a tighter Reverse direction sealing.

**ANS: Virgin PTFE (Teflon) seats will be accepted provided that they are not laminated with steel backing rings or other PTFE layers, are retained in the valve in such a manner as to prevent extrusion, are retained in such a manner that the seat is maintained in the valve under flow conditions, and are designed in such a way as to ensure proper and repetitive sealing.**

QUESTION: Internal Leak Test: The same acceptable leakage rate is quoted for the preferred sealing direction and the reverse sealing direction. This can be difficult and many industries accept a higher leak rate in the reverse (non-preferred) direction. Would a Class VI leakage in the preferred sealing direction and a Class IV in the reverse be acceptable with Kel-F(PCTFE) seat?

**ANS: Unlike with other industries, a higher leak rate in the reverse direction is not acceptable. Please test the valve according to the specification and confirm that the valves can meet stated leakage requirements. Leakage requirements are not arrived at lightly and should be met exactly or exceeded.**

QUESTION: Class VI shutoff/sealing can be accomplished with Teflon seats. Will Teflon seats be acceptable?

**ANS: This has been discussed above.**

QUESTION: Solenoid Valve 350 PSIG rated: This is a fairly high pressure rating for industrial standard valve actuation solenoid valves, does Stennis have a preferred valve actuation solenoid valve that meets this spec.? Can you tell us the manufacturer and model/series of the solenoid valve? Or would a lower rated solenoid valve be acceptable?

**ANS: The valves covered by this specification are not industrial standard and therefore have more stringent requirements. The specification should be followed exactly regarding solenoid valves. ASCO is one of many known manufacturers of acceptable solenoid valves.**

QUESTION: Two Limit Switches: Most limit switch assemblies/boxes for quarter turn actuators are housed in Aluminum housings. Since aluminum actuators are not allowed are aluminum housed limit switches allowed? If so, is the limit switch manufacturers standard paint/coating acceptable? Is there a preferred Limit Switch manufacturer?

**ANS: Limit switches that are housed in aluminum are acceptable as are those with painted housings. GO Switch is a known manufacturer of this type of limit switch, or it could be any other approved equal.**

Commercial Question:

QUESTION: Are progress payments allowed for in this procurement?

**ANS: Milestone payments are authorized for this procurement. See Solicitation Page 15 of 21, Addendum to Contract Clause 52.212-4 (i)(1).**

- b. The date for receipt of proposals remains the same at Nov 27, 2007, 3:00 PM Local Time.
- c. All other terms and conditions remain unchanged.